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(54) Title: METHODS OF DETERMINING THE EFFECT OF AN AGENT ON DIPLOID CELLS AND/OR ON THE PATTERN OF EXPRESSION OF POLYPEPTIDES EXPRESSED THEREWITH

(57) Abstract: A method of determining the effect of an agent on a diploid cell and/or on an expression or activity of a polypeptide expressed within the diploid cell is provided. The method is effected by: (a) administering an exogenous RNA molecule encoding the polypeptide into the diploid cell; (b) contacting the diploid cell with the agent; and (c) monitoring a phenotype of the diploid cell and/or the expression or activity of the polypeptide within the diploid cell, thereby determining the effect of the agent on the diploid cell and/or on the expression or activity of the polypeptide expressed within the diploid cell.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00763

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68  
 US CL : 435/6

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 435/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TRUONG et al. FRET-bases in vivo $Ca^{2+}$ imaging by a new calmodulin-GFP fusion molecule. Nat Struct Biol. December 2001, vol. 8, no. 12, pages 1069-1073, seen entire document	1-3, 5, 6-9
Y		4, 10
X	US 5,958, 713 A (THASTRUP et al) 28 September 1999, see entire document.	1, 2, 5-8, 10
Y		3, 4, 9
X	WO 99/54348 A1 (CLONTECH LABORATORIES, INC.) 28 October 1999, see entire document, especially example 8.	1, 2, 5-8, 10
Y		3, 4-9

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☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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